Docket No. 250619US2SRD DIV

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Hideyuki FUNAKI

SERIAL NO: New Application

GAU:

FILED:

Herewith

**EXAMINER:** 

FOR:

MICROMECHANICAL DEVICE AND METHOD OF MANUFACTURE THEREOF

# **INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR

Applicant(s) wish to disclose the following information.

## REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. These references were cited/filed in parent application Serial No. 10/230,200, filed August 29, 2002. Copies of the listed references were filed in the parent application, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

## **RELATED CASES**

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

## **CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

## DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ulitas

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) I:\atty\Ref\25s\250619\250619-new-ids.doc Eckhard H. Kuesters

Registration No. 28,870

LIST OF REFERENCES CITED BY APPLICANT	DTC 1115	U.S. DEPARTMENT OF COMMERCE			ATTY DOCKET NO.		SERIAL NO.  NEW APPLICATION				
LIST OF REFERENCES CITED BY APPLICANT   Hideyuki FUNAKI			PATENT AND TRADEMARK OFFICE		250619US2SRD DIV						
FILING DATE   Herewith					APPLICANT						
FILING DATE   Herewith	LIST OF I	REFER	ENCES CITED BY APPLI	CANT	Hideyu	iki FUN	AKI				
Herewith   Standard	LIGIT OF THE EXCENSES OF THE PERSON OF THE P				FILING DATE						
EXAMINER   NOME   NAME   CLASS   SUB   FAPROPRIATE											
DOCUMENT NUMBER   NAME   CLASS   SUB   FAPROPRIATE											
DOCUMENT   DATE   NAME   CLASS   IF APPROPRIATE					U.S. PATENT DOCUMENTO		SUB	FII	ING DATE		
AB				DATE		CLASS					
AC		AA	5,880,921	3/9/99	J. L. Julian THAM, et al.				·		
AD		AB									
AB		AC					<u> </u>				
AF		AD							<del></del>		
AF							<u> </u>				
AG			//			<u> </u>					
AH		<del> </del>		÷		<u> </u>					
AI											
AJ	<del> </del>			<del></del>							
AK AL AL AM AM AN		<b>├</b> ──					2		_		
AL AM AN											
AM AN BOULDENT FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  TRANSLATION YES NO  AO A								-			
FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   TRANSLATION YES   NO						ļ					
POCUMENT NUMBER DATE COUNTRY TRANSLATION YES NO  AO A						<u> </u>	1				
DOCUMENT NUMBER  AO  AO  AP  AQ  AQ  AR  AR  AS  AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  K. WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX  Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  Additional References sheet(s) attached based on the company of t		AN				<u> </u>	<u> </u>	L	, ·		
AO AO AP AP AQ AR AR AR AS AS AT AU AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  AW INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AY AY  AZ  AZ  Additional References sheet(s) attached  AZ  Additional References sheet(s) attached  Date Considered				F	DREIGN PATENT DOCUMENTS				· · · · · · · · · · · · · · · · · · ·		
AQ AQ AQ AR AR AS AS AT AU AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  WAWANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX				DATE	COUNTRY		•				
AP AQ AQ AR AR AS AS AT AT AU AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Winternational leee Micro Electro Mechanical Resonators", Technical Digest, 12TH International leee Micro Electro Mechanical Systems Conference, January 17-21, 1999, pgs. 453-458 AX Bay Az Bay Additional References sheet(s) attached battering Additional References s		i	NUMBER				YES		NO		
AQ AR		AO					<u> </u>				
AR  AS  AS  AT  AU  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  WE WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AY  Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  AZ  Date Considered		AP									
AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  K. WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX  Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  AZ  Additional References sheet(s) attached Date Considered		AQ									
AT AU AU AV OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  AW K. WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ AZ Additional References sheet(s) attached Date Considered		AR					<u> </u>				
AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Winternational IEEE Micro Electro Mechanical Resonators", Technical Digest, 12th International IEEE Micro Electro Mechanical Systems Conference, January 17-21, 1999, pgs. 453-458  AX  Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MicroElectroMechanical Systems, Vol. 6, No. 1, March 1997, pgs. 3-9  AY  AZ  AZ  Additional References sheet(s) attached Date Considered		AS									
AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  K. WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX  Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  Additional References sheet(s) attached Date Considered											
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  K. WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  Additional References sheet(s) attached Date Considered											
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  K. WANG, et al., "VHF Free-Free Beam High-Q Micromechanical Resonators", TECHNICAL DIGEST, 12TH INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  AX Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ Additional References sheet(s) attached Date Considered											
AW INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, pgs. 453-458  Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  Additional References sheet(s) attached Examiner  Date Considered		1	OTHER REF	ERENCES	(Including Author, Title, Date, Pertiner	nt Pages,	etc.)				
AW INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, 1999 1999  AX Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  AZ  Date Considered			Towns of the material	C D	sem High O Micromechanical Resonator	s" TECHI	NICAL DIG	EST, 12	тн		
AX MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9  AY  AZ  AZ  Additional References sheet(s) attache  Date Considered		AW	INTERNATIONAL IEEE	INTERNATIONAL IEEE MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, January 17-21, 1999, 400-400							
AZ Additional References sheet(s) attache  Examiner Date Considered		АХ	Paul M. Zavracky, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, VOL. 6, NO. 1, March 1997, pgs. 3-9								
Examiner Date Considered		AY									
Examiner		AZ				☐ Ac	Iditional Re	ferences	s sheet(s) attache		
	Examiner	<u> </u>	Date Considered								
	1		formas in considered	hether or n	not citation is in conformance with MPFP	609; Draw	line through	h citatio	n if not in		

Form PTO 1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY DOCKET NO.	SERIAL N	<b>VO</b> .					
(Modified) PATENT AN			EMARK OFFICE	250619US2SRD DIV		New Application					
		•		APPLICANT							
LIST OF	REFEF	RENCES CITED BY AP	PLICANT	Hideyuki FUNAKI							
				FILING DATE		GROUP					
				Herewith							
U.S. PATENT DOCUMENTS											
EXAMINER		DOCUMENT	DATE	NAME CLASS SUB FILING DA				ING DATE			
INITIAL		NUMBER			OBAGO	CLASS	IF AF	PROPRIATE			
	AA	6,153,839	11/2000	Zavracky et al.	ļ						
	AB										
· · · · · · · · · · · · · · · · · · ·	AC										
	AD										
	AE				<u> </u>						
	AF				ļ						
	AG				ļ						
	AH		-		-						
	AI										
	AJ					·					
	AK				ļ						
	AL										
	AM										
	AN										
			FO	REIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO						
	AO										
	AP										
	AQ										
	AR										
	AS										
	AT										
	ΑU										
	AV										
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)											
	AW										
	AX										
	AY		·								
	AZ				Additional References sheet(s) attached						
Examiner Date Considered											
*Examiner: In conformance	*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.										